

IN THE CLAIMS:

Please cancel claims 1-18.

Please add new claims 19-38.

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19. (New) A coating material curable thermally and, if desired, with actinic radiation, comprising
- A) at least one binder containing at least two functional groups, and
 - B) at least one crosslinking agent containing at least two functional groups, wherein the functional groups of the binder are able to undergo thermal crosslinking reactions with complementary functional groups in the crosslinking agent, and the functional groups of the crosslinking agent are able to undergo thermal crosslinking reactions with complementary functional groups in the binder,
- and optionally at least one of,
- C) at least one constituent that is crosslinkable with actinic radiation,
 - D) at least one photoinitiator,
 - E) at least one thermal crosslinking initiator,
 - F) at least one reactive diluent curable by at least one of with actinic radiation and thermally,
 - G) at least one coatings additive, and
 - H) at least one organic solvent,
- wherein the at least one binder contains in copolymerized form at least one olefinically unsaturated polysiloxane macromonomer containing on average per molecule at least 3 double bonds.
20. (New) The coating material of claim 19, wherein the polysiloxane macromonomer contains on average per molecule at least 4 double bonds.
21. (New) The coating material of claim 19, wherein the polysiloxane macromonomer contains on average per molecule up to 10.5 double bonds.
22. (New) The coating material of claim 19, wherein the polysiloxane macromonomer contains on average per molecule from 5.5 to 6.5 double bonds.

23. (New) The coating material of claims 19, wherein the polysiloxane macromonomer has a number-average molecular weight M_n of from 500 to 100,000 daltons.
24. (New) The coating material of claim 19, wherein the polysiloxane macromonomer is in three-dimensionally crosslinked form.
25. (New) The coating material of claim 19, wherein the polysiloxane macromonomer is at least one of an alkylsiloxane resin, cycloalkylsiloxane resin, alkyl-arylsiloxane resin, alkyl-cycloalkyl-siloxane resin, cycloalkyl-aryl-siloxane resin, and arylsiloxane resin.
26. (New) The coating material of claim 25, wherein the alkyl radicals contain from 1 to 10 carbon atoms, the cycloalkyl radicals contain from 3 to 10 carbon atoms, and the aryl radicals contain from 6 to 12 carbon atoms.
27. (New) The coating material of claim 25, wherein the binder comprises an alkylsiloxane resin.
28. (New) The coating material of claim 19, wherein the polysiloxane macromonomer contains, as groups having olefinically unsaturated double bonds, at least one of acrylic groups, methacrylic groups, ethacrylic groups, vinyl groups, allyl groups, and crotonyl groups.
29. (New) The coating material of claim 19, wherein the polysiloxane macromonomer is present in at least one of the binders in copolymerized form in an amount up to 15% by weight of the binder.
30. (New) The coating material of claim 19, wherein the polysiloxane macromonomer is present in at least one of the binders in copolymerized form in an amount of at least 0.01% by weight of the binder.

31. (New) A multicoat clearcoat system for a primed or unprimed substrate, produced by a process comprising
- (1) applying at least one clearcoat film I of a coating material I curable thermally, and optionally with actinic radiation, to the surface of the substrate and at least partly curing it, and
 - (2) applying a further clearcoat film II of a coating material II curable thermally, and optionally with actinic radiation, to the surface of the at least one clearcoat film I, and
 - (3) curing by one of
 - (3.1) the at least one clearcoat film I and the clearcoat film II together if the at least one clearcoat film I was not previously fully cured, or
 - (3.2) the clearcoat film II alone if the at least one clearcoat film I was previously fully cured,
 wherein the curing is thermal and, optionally, with actinic radiation
- wherein at least one of the coating material I and the coating material II is a coating material of claim 19.
32. (New) The multicoat clearcoat system of claim 31, wherein the multicoat clearcoat system is one of an automotive OEM finish, an automotive refinish, an industrial coating, a coil coating a container coating, plastic coating, and a furniture coating.
33. (New) A process for producing a multicoat clearcoat system on a primed or unprimed substrate by
- (1) applying at least one clearcoat film I of a coating material I curable thermally, and optionally with actinic radiation, to the surface of the substrate and at least partly curing it, and
 - (2) applying a further clearcoat film II of a coating material II curable thermally, and optionally with actinic radiation, to the surface of the at least one clearcoat film I, and
 - (3) curing by one of
 - (3.1) the at least one clearcoat film I and the clearcoat film II together if the at least one clearcoat film I was not previously fully cured, or

(3.2) the clearcoat film II alone if the at least one clearcoat film I was previously fully cured,

wherein the curing is thermal and, optionally, with actinic radiation

wherein at least one of the coating material I and the coating material II is a coating material of claim 19.

34. (New) The substrate produced by the method of claim 33.

35. (New) A multicoat paint system for a primed or unprimed substrate, wherein the multicoat paint system is one of a color paint system, an effect paint system, and a color and effect paint system, produced by a process comprising

(1) applying at least one basecoat film III of a pigmented coating material III curable thermally, and optionally with actinic radiation, to the surface of the substrate, and drying it without curing, wherein the basecoat film is one of a color basecoat, an effect basecoat, and a color and effect basecoat,

(2) applying at least one clearcoat film I of a coating material I curable thermally, and optionally with actinic radiation, to the surface of the basecoat film III, and one of

(2.1) partly curing the at least one clearcoat film I alone,

(2.2) partly curing the at least one clearcoat film I together with the basecoat film III, or

(2.3) fully curing the at least one clearcoat film I together with the basecoat film III,

wherein the curing is thermal and, optionally, with actinic radiation,

(3) applying a further clearcoat film II of a coating material II curable thermally, and optionally with actinic radiation, to the surface of the at least one clearcoat film I, and

(4) curing by one of

(4.1) the at least one clearcoat film I, the clearcoat film II, and the basecoat film III together if the at least one clearcoat film I and the basecoat film III were not previously fully cured, or

(4.2) the clearcoat film II alone if the at least one clearcoat film I and the basecoat film III were previously fully cured,

wherein the curing is thermal and, optionally, with actinic radiation,
 wherein at least one of the coating material I and the coating material II is a coating material of claim 19.

36. (New) The multicoat paint system of claim 35, wherein the multicoat paint system is one of an automotive OEM finish, an automotive refinish, an industrial coating, a coil coating a container coating, plastic coating, and a furniture coating.
37. (New) A process for producing a multicoat paint system on a primed or unprimed substrate, wherein the multicoat paint system is one of a color paint system, an effect paint system, and a color and effect paint system, comprising
- (1) applying at least one basecoat film III of a pigmented coating material III curable thermally, and optionally with actinic radiation, to the surface of the substrate, and drying it without curing, wherein the basecoat film is one of a color basecoat, an effect basecoat, and a color and effect basecoat,
 - (2) applying at least one clearcoat film I of a coating material I curable thermally, and optionally with actinic radiation, to the surface of the basecoat film III, and one of
 - (2.1) partly curing the at least one clearcoat film I alone,
 - (2.2) partly curing the at least one clearcoat film I together with the basecoat film III, or
 - (2.3) fully curing the at least one clearcoat film I together with the basecoat film III,
 wherein the curing is thermal and, optionally, with actinic radiation,
 - (3) applying a further clearcoat film II of a coating material II curable thermally, and optionally with actinic radiation, to the surface of the at least one clearcoat film I, and
 - (4) curing by one of
 - (4.1) the at least one clearcoat film I, the clearcoat film II, and the basecoat film III together if the at least one clearcoat film I and the basecoat film III were not previously fully cured, or
 - (4.2) the clearcoat film II alone if the at least one clearcoat film I and the basecoat film III were previously fully cured,

wherein the curing is thermal and, optionally, with actinic radiation,
wherein at least one of the coating material I and the coating material II is a coating
material of claim 19.

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38. (New) The substrate produced by the method of claim 37.
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